

AMENDMENTS TO THE ABSTRACT

Please replace the original abstract with the following substitute abstract.

An origin detection method for a component placement head includes setting an axial origin for each elevation nut section, of the component placement head, by detecting a rotational angle of a drive section corresponding to the elevation nut section. The elevation nut sections are then individually moved down from the axial origin so that light emitted from a light-projecting section is received by a light-receiving section without being interrupted. Then, it is confirmed that the axial origin of each elevation nut section is an origin of elevation by detecting interruption of light, emitted from the light-projecting section, by the elevation nut section at a position corresponding to the elevation nut section having been lowered from the axial origin by a prescribed light interruption dimension.